

Predicting Exposure to Hazards Using the CPWR Exposure Control Database

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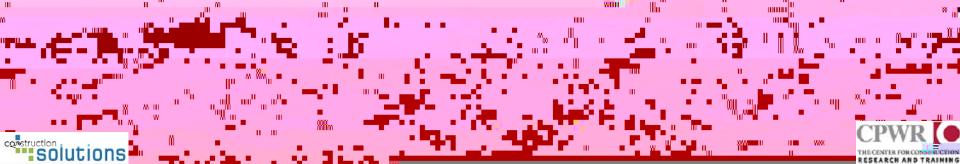
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CPWR – The Center for Construction Research and Training

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- 1. Construction Solutions Project
- 2. The Exposure Control Database
- 3. Website Walkthrough
- 4. Challenges
- 5. Data Collection Forms

- Construction Solutions Project

Construction Solutions
Project

The Exposure Control Databasere

Objectives:

- Create a searchable collection of objective exposure measurements
- Help small- and medium-size contractors predict workers' exposure to four key hazards:
 - Silica
 - Welding Fumes
 - Noise
 - Lead

Highlight the effectiveness of engineering controls

Sources of Data:

- Peer-reviewed literature
- Government reports
- External partners



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Challenges:

- Data availability
- Data quality

Solutions:

- Two sampling forms developed by CPWR to streamline the data collection process and improve data quality:
 - Respirable Crystalline Silica
 - Noise
- Forms contain:
 - Sampling recommendations
 - Contact information
 - Fields for required variables and measurements









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